

## ABSTRACT OF THE DISCLOSURE

A heat exchanger includes a header pipe, an inlet manifold, an outlet manifold, and coupling members. The header pipe includes a fluid circulation hole inside. The inlet manifold supplied a fluid to the fluid  
5 circulation hole of the header pipe. The outlet manifold discharges the fluid from the fluid circulation hole of the header pipe. The header pipe is connected to the inlet manifold and the outlet manifold through the coupling members.